

Florida Department of Education
Curriculum Framework

Program Title: Air-Conditioning, Refrigeration and Heating Technology 2
Program Type: Career Preparatory
Career Cluster: Architecture and Construction

PSAV

Program Number	C400200
CIP Number	0647020108
Grade Level	30, 31
Standard Length	600 Hours
Teacher Certification	Refer to the <u>Program Structure</u> section.
CTSO	SkillsUSA
SOC Codes (all applicable)	49-9021 - Heating, Air Conditioning, and Refrigeration Mechanics and Installers
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml
Basic Skills Level	Mathematics: 10 Language: 9 Reading: 9

Purpose

The purpose of this program is to prepare students for employment or advanced training in the heating, air-conditioning, and refrigeration and ventilation industry. This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Architecture and Construction career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Architecture and Construction career cluster.

The content includes but is not limited to designing, testing and repairing heating, ventilation, air-conditioning and cooling (HVAC) systems.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Program Structure

This program is a planned sequence of instruction consisting of two occupational completion points. The recommended sequence allows students to complete specified portions of the program for employment or to remain for advanced training. A student who completes the applicable competencies at any occupational completion point may either continue with the training program or terminate as an occupational completer. There are two course options, ACR0044 OR ACR0045, for occupational completion point B.

Air-Conditioning, Refrigeration and Heating Technology 1 is a core program. It is recommended student completes **Air-Conditioning, Refrigeration and Heating Technology 1**, or demonstrates mastery of the outcomes in that program, prior to enrollment in **Air-Conditioning, Refrigeration and Heating Technology 2**.

This program is comprised of courses which have been assigned course numbers in the SCNS (Statewide Course Numbering System) in accordance with Section 1007.24 (1), F.S. Career and Technical credit shall be awarded to the student on a transcript in accordance with Section 1001.44(3)(b), F.S.

To teach the courses listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the postsecondary program structure:

OCP	Course Number	Course Title	Teacher Certification	Length	SOC Code
A	ACR0049	Air Conditioning, Refrigeration and Heating Mechanic 2		250 Hours	49-9021
B	ACR0044 OR	Air Conditioning, Refrigeration and Heating Technician OR	AC HEAT ME @7 G REFRG MECH 7 G	350 Hours	49-9021
	ACR0045	Refrigeration Mechanic		350 Hours	

Common Career Technical Core – Career Ready Practices

Career Ready Practices describe the career-ready skills that educators should seek to develop in their students. These practices are not exclusive to a Career Pathway, program of study, discipline or level of education. Career Ready Practices should be taught and reinforced in all career exploration and preparation programs with increasingly higher levels of complexity and expectation as a student advances through a program of study.

1. Act as a responsible and contributing citizen and employee.
2. Apply appropriate academic and technical skills.
3. Attend to personal health and financial well-being.
4. Communicate clearly, effectively and with reason.
5. Consider the environmental, social and economic impacts of decisions.
6. Demonstrate creativity and innovation.
7. Employ valid and reliable research strategies.
8. Utilize critical thinking to make sense of problems and persevere in solving them.
9. Model integrity, ethical leadership and effective management.
10. Plan education and career path aligned to personal goals.
11. Use technology to enhance productivity.
12. Work productively in teams while using cultural/global competence.

Standards

After successfully completing this program, the student will be able to perform the following:

- 01.0 Use combustion-type heating servicing and testing equipment.
- 02.0 Troubleshoot combustion gas valves and regulators as used in heating, air-conditioning, refrigeration and ventilation systems.
- 03.0 Maintain, troubleshoot and repair commercial heating systems.
- 04.0 Explain how to install, maintain and repair heating, air-conditioning and refrigeration systems.
- 05.0 Demonstrate knowledge of retail refrigeration systems.
- 06.0 Demonstrate knowledge of commercial and industrial refrigeration systems.
- 07.0 Develop an understanding of hydronic systems.
- 08.0 Determine the properties of air.
- 09.0 Use a pressure enthalpy chart to diagram refrigerant cycles.
- 10.0 Explain the standards for and ways to measure indoor-air quality.
- 11.0 (Optional) Identify and understand pneumatic control systems for commercial heating and air-conditioning applications.
- 12.0 Develop an understanding of chilled systems.
- 13.0 (Optional) Maintain and repair thermal storage systems.
- 14.0 Read construction documents.
- 15.0 Interpret, use and modify construction drawings and specifications.
- 16.0 Design heating and cooling systems.
- 17.0 Troubleshoot and repair commercial heating and air-conditioning systems.
- 18.0 Calculate commercial heating and air-conditioning loads.
- 19.0 Install air distribution systems.
- 20.0 Evaluate commercial airside systems.
- 21.0 Balance an air distribution system.
- 22.0 Select energy conservation equipment.
- 23.0 Analyze building management systems.
- 24.0 Recommend alternative heating and cooling systems for various case studies.
- 25.0 Demonstrate a working knowledge of electrical generation and distribution components for commercial heating and air conditioning systems.
- 26.0 Demonstrate a working knowledge of refrigeration-system vibration and insulation.
- 27.0 Apply commercial refrigeration-pipe sizing and troubleshooting procedures.
- 28.0 Use refrigeration-systems skills in commercial applications.
- 29.0 Demonstrate a working knowledge of refrigerated storage systems.
- 30.0 Diagnose, maintain and repair ice-making systems.
- 31.0 Use refrigeration electrical-system skills in commercial applications.
- 32.0 Maintain and troubleshoot commercial refrigeration systems.

Florida Department of Education
Student Performance Standards

Program Title: Air-Conditioning, Refrigeration and Heating Technology 2
PSAV Number: C400200

Course Number: ACR0049	
Occupational Completion Point: A	
Air-Conditioning, Refrigeration and Heating Mechanic 2 – 250 Hours – SOC Code 49-9021	
01.0	Use combustion-type heating servicing and testing equipment--The student will be able to:
01.01	Explain combustion theory and the safety precautions for using combustion-type-heating servicing and testing equipment.
01.02	Identify and explain the various types of combustion-type heating servicing and testing equipment (such as draft gauge, U-tube manometer, sling psychrometer, millivolt meter and oil-furnace testing equipment).
01.03	Use the servicing and testing equipment.
01.04	Test, analyze and troubleshoot combustion-type-heating systems.
02.0	Troubleshoot combustion gas valves and regulators as used in heating, air-conditioning, refrigeration and ventilation systems--The student will be able to:
02.01	Identify and discuss the safety and regulation issues and concerns.
02.02	Explain the operations of various types of gas valves and regulators (such as low-voltage, line-voltage, pneumatic (optional), solenoid and gas and pressure regulators).
02.03	Identify various types of gas valves and regulators.
02.04	Determine the application of gas valves and regulators.
02.05	Troubleshoot gas valves and regulators.
03.0	Maintain, troubleshoot and repair commercial heating systems--The student will be able to:
03.01	Identify the components of various commercial heating systems.

03.02	Explain the operational principles of various commercial heating systems.
03.03	Test and analyze heating air-distribution systems.
03.04	Maintain, troubleshoot and repair various commercial heating systems including a gas furnace and boiler, an oil furnace and boiler, an electric furnace, electric heaters, a heat pump and solar-heating systems.
04.0	Explain how to install, maintain and repair heating, air-conditioning and refrigeration systems--The student will be able to:
04.01	Follow safety precautions.
04.02	Describe new technologies in heating, air-conditioning and refrigeration installation, including variable-speed motors, heat-pipe systems, desiccant systems and gas-driven heating systems.
04.03	Explain how to lay out, construct and troubleshoot comfort systems.
04.04	Test and analyze systems.
04.05	Test and analyze heat-recovery systems.
05.0	Demonstrate knowledge of retail refrigeration systems--The student will be able to:
05.01	Describe the mechanical refrigeration cycle as it applies to retail refrigeration systems.
05.02	Explain the differences in refrigerants and applications in low-, medium- and high-temperature refrigeration systems.
05.03	Identify and describe the primary refrigeration cycle components used in retail refrigeration systems.
05.04	Identify and describe the supporting components and accessories used in retail refrigeration systems.
05.05	Describe the various methods of defrost used in retail refrigeration systems.
05.06	Identify and describe the applications for the various types of retail refrigeration systems.
05.07	Describe the control system components used in retail refrigeration systems.
05.08	Explain the operating sequence of a retail refrigeration system.

05.09	Interpret wiring diagrams and troubleshooting charts to isolate malfunctions in retail refrigeration systems.
06.0	Demonstrate knowledge of commercial and industrial refrigeration systems--The student will be able to:
06.01	Identify different types of refrigerated coolers and display cases and describe each one's common application.
06.02	Compare the basic components used in commercial/industrial refrigeration systems with those used in retail refrigeration systems.
06.03	Identify single, multiple and satellite compressor systems; describe the applications, installation considerations and advantages and disadvantages of each type.
06.04	Identify packaged condensing units and unit coolers; describe their applications, operation and installation considerations.
06.05	Identify two-stage compressors and explain their operation and applications.
06.06	Identify the various accessories used in commercial refrigeration systems and explain why each is used and where it should be installed in the system.
06.07	Identify the various refrigeration control devices and explain the purpose of each type and how it works.
07.0	Develop an understanding of hydronic systems--The student will be able to:
07.01	Explain the terms and concepts used when working with hot-water heating systems.
07.02	Identify the major components of hot-water heating systems.
07.03	Explain the purpose of each component of hot-water heating systems.
07.04	Describe the safety precautions used when working with hot water systems.
07.05	Identify the common piping configurations used with hot-water heating systems.
07.06	Explain the principles involved and describe the procedures used in balancing hydronic systems.
07.07	Select, calibrate and properly use the tools and instruments needed to balance hydronic systems.
07.08	Read the pressure across a water system circulating pump.

Course Number: ACR0044
Occupational Completion Point: B
Air-Conditioning, Refrigeration and Heating Technician – 350 Hours – SOC Code 49-9021

Note: Students may choose one of the following courses for the completion of OCP B ‘Air-Conditioning, Refrigeration and Heating Technician’ – ACR0044 or ‘Refrigeration Technician’ – ACR0045.

08.0 Determine the properties of air--The student will be able to:

08.01 Explain the principles of psychrometrics.

08.02 Identify and explain the components and uses of a psychrometric meter.

08.03 Identify indoor-air-quality concerns as related to psychrometrics.

08.04 Discuss current issues and concerns (such as indoor-air quality, the ozone layer and computer technology) in the heating, air-conditioning and refrigeration industry and in the environment and explain their future ramifications.

08.05 Determine the properties of air, using a psychrometric chart.

08.06 Follow safety precautions.

08.07 Identify and explain the different types and benefits of air-filtration systems, air-handling systems and ventilation systems.

08.08 Fabricate, operate, maintain and troubleshoot air-filtration systems, air-handling systems and ventilation systems.

09.0 Use a pressure enthalpy chart to diagram refrigerant cycles--The student will be able to:

09.01 Identify all components of the pressure enthalpy chart.

09.02 Define enthalpy and entropy.

10.0 Explain the standards for and ways to measure indoor-air quality--The student will be able to:

10.01 Define indoor-air quality.

10.02 Identify and explain the codes and standards regarding indoor-air quality.

10.03	Select and use indoor-air-quality measuring devices.
10.04	Explain the standards for and ways to measure indoor-air quality using various methods.
11.0	(Optional) Identify and understand pneumatic control systems for commercial heating and air-conditioning applications--The student will be able to:
11.01	Identify pneumatic control systems.
11.02	Understand the functions of direct acting and reverse acting controls of pneumatic control systems.
12.0	Develop an understanding of chilled systems--The student will be able to:
12.01	Explain the terms and concepts used when working with chilled-water cooling systems.
12.02	Identify the major components of chilled-water cooling and dual-temperature water systems.
12.03	Explain the purpose of each component of chilled-water cooling and dual-temperature water systems.
12.04	Describe the safety precautions used when working with chilled-water systems.
12.05	Explain the differences between reciprocating, rotary screw, scroll and centrifugal chillers.
13.0	(Optional) Maintain and repair thermal storage systems--The student will be able to:
13.01	Apply appropriate codes, standards and safety practices.
13.02	Describe the benefits and limitations of each type.
13.03	Explain the operational principles of a thermal storage system.
13.04	Identify and explain various types of thermal storage systems.
13.05	Troubleshoot and test various types of thermal storage systems.
14.0	Read construction documents--The student will be able to:

14.01	Recognize and identify basic construction drawing terms, components and symbols.
14.02	Relate information on construction drawings to actual locations on the print.
14.03	Recognize different classifications of construction drawings.
14.04	Interpret and use drawing dimensions.
15.0	Interpret, use and modify construction drawings and specifications--The student will be able to:
15.01	Read mechanical plans within a set of construction drawings explain their relationship.
15.02	Compare mechanical plans with the actual installation of duct and pipe runs, fittings and sections.
15.03	Interpret specification documents and apply them to the plans.
15.04	Interpret shop drawings and apply them to the plans and specifications.
15.05	Develop a field set of as-built drawings.
15.06	Identify the steps required for transferring design information to component production.
15.07	List and classify materials most commonly used in HVAC systems.
16.0	Design heating and cooling systems--The student will be able to:
16.01	Identify and describe the steps in the system design process.
16.02	Use construction drawings or an actual job site to obtain information needed to complete heating and cooling load estimates.
16.03	Identify the factors that affect heat gains and losses to a building and describe how these factors influence the design process.
16.04	Complete a load estimate to determine the heating and/or cooling load of a building.
16.05	State the principles that affect the selection of equipment to satisfy the calculated heating and/or cooling load.

16.06	Select heating and/or cooling equipment using manufacturers' product data.
16.07	Identify the various types of duct systems and explain why and where each type is used.
16.08	Demonstrate the effect of fittings and transitions on duct system design.
16.09	Use a friction loss chart and duct sizing table to size duct.
16.10	Install insulation and vapor barriers used in duct systems.
16.11	Select and install refrigerant and condensate piping following proper design principles.
17.0	Troubleshoot and repair commercial heating and air-conditioning systems--The student will be able to:
17.01	Keep a record of the installation, maintenance and repair of commercial heating and air-conditioning systems.
17.02	Apply local and national codes and safety practices.
17.03	Lay out a commercial heating and air-conditioning system.
17.04	Lay out a typical split commercial air-conditioning system.
17.05	Lay out a typical split commercial heating system.
17.06	Maintain, test, analyze and repair various types of commercial heating and air-conditioning systems.
17.07	Maintain, troubleshoot and repair water-cooled condensers
18.0	Calculate commercial heating and air-conditioning loads--The student will be able to:
18.01	Explain conduction as a heat-load source.
18.02	Describe the implications of conducting and the resistance values for different types of construction materials.
18.03	Interpret heat-transfer tables and define values U, K, C and R.

18.04	Locate the total heat-transfer value of any surface.
18.05	Explain infiltration and exfiltration/ventilation as a heat-load source.
18.06	Explain a product heat-load source.
18.07	Explain miscellaneous loads (people, motors and equipment) as heat-load sources.
18.08	Explain the purpose of vapor barriers.
18.09	Interpret tables of specific heat values as applied to commercial heating and air-conditioning systems.
18.10	Calculate and design systems.
18.11	Calculate cooling and heating equipment sizes.
18.12	Design and identify methods of installing air-movement systems.
19.0	Install air distribution systems--The student will be able to:
19.01	Describe airflow and pressures in a basic forced-air distribution system.
19.02	Explain the differences between propeller and centrifugal fans and blowers.
19.03	Identify the various types of duct systems and explain why and where each type is used.
19.04	Demonstrate or explain the installation of metal, fiberboard and flexible duct.
19.05	Demonstrate or explain the installation of fittings and transitions used in duct systems.
19.06	Identify and explain the operations of electrical control systems and their components (zone damper motors).
19.07	Demonstrate or explain the use and installation of dampers used in duct systems.
19.08	Demonstrate or explain the use and installation of insulation and vapor barriers used in duct systems.

19.09	Identify instruments used to make measurements in air systems and explain the use of each instrument.
19.10	Make basic temperature, air pressure and velocity measurements in an air distribution system.
20.0	Evaluate commercial airside systems--The student will be able to:
20.01	Identify the differences in various types of commercial all-air systems.
20.02	Identify the type of building in which a particular type of system is used.
20.03	Explain the typical range of capacities for a commercial air system.
21.0	Balance an air distribution system--The student will be able to:
21.01	Explain the fan and pump laws.
21.02	Use a psychrometric chart to evaluate air properties and changes in air properties.
21.03	Explain the principles involved in the balancing of air and water distribution systems.
21.04	Define common terms used by manufacturers when describing grilles, registers and diffusers.
21.05	Identify and use the tools and instruments needed to balance air distribution systems.
21.06	Change the speed of an air distribution system supply fan.
22.0	Select energy conservation equipment--The student will be able to:
22.01	Identify and explain the operation of energy conservation equipment.
22.02	Operate selected energy conservation equipment.
23.0	Analyze building management systems--The student will be able to:
23.01	Identify the major components of a building management system and describe how they fit together.

23.02	Explain a basic direct digital controller.
24.0	Recommend alternative heating and cooling systems for various case studies--The student will be able to:
24.01	Describe alternative technologies for heating such as in-floor, direct-fired makeup unit (DFMU), solar, air turnover, corn or wood pellet burners, waste oil/multi-fuel and fireplace inserts.
24.02	Describe alternative technologies for heating such as ductless systems, computer rooms, chilled beams and multi-zone.

Course Number: ACR0045
Occupational Completion Point: B
Refrigeration Mechanic – 350 Hours – SOC Code 49-9021

Note: Students may choose one of the following courses for the completion of OCP B: 'Air-Conditioning, Refrigeration and Heating Technician' – ACR0044 or 'Refrigeration Technician' – ACR0045.

25.0	Demonstrate a working knowledge of electrical generation and distribution components for commercial heating and air conditioning systems--The student will be able to:
25.01	Calculate loads and design and lay out a commercial refrigeration system.
25.02	Identify and explain commercial refrigeration-pressure-regulation devices, controls and components.
25.03	Install, service and repair ice machines and specialty refrigeration systems.
25.04	Test and troubleshoot refrigerant-pressure-regulating devices, controls and components.
25.05	Apply local and national codes and mechanical safety practices.
26.0	Demonstrate a working knowledge of refrigeration-system vibration and insulation--The student will be able to:
26.01	Describe the applications of vibration eliminators.
26.02	Identify and select the correct insulation for commercial application.
27.0	Apply commercial refrigeration-pipe sizing and troubleshooting procedures--The student will be able to:

27.01	Determine the capacities of refrigerant lines, including the amounts they will hold, equivalent lengths of fittings and the total effective length for various pipelines.
27.02	Identify and apply industry-approved installation procedures.
27.03	Troubleshoot refrigeration-pipe-sizing problems.
a.	Explain the use of traps in suction-line risers.
b.	Explain pressure drop.
c.	Calculate pressure drop in liquid-line risers.
d.	Size double risers, hot-gas lines and liquid lines from condenser to receiver.
28.0	Use refrigeration-systems skills in commercial applications--The student will be able to:
28.01	Identify and apply the safety practices used with commercial refrigeration systems.
28.02	Apply refrigeration-systems skills to commercial refrigeration systems.
a.	Perform dehydration, evacuation and recovery procedures.
b.	Interpret blueprints and mechanical drawings.
c.	Service and charge a refrigeration system.
d.	Test, analyze and replace compressors.
e.	Retrofit alternative refrigerants and oils.
29.0	Demonstrate a working knowledge of refrigerated storage systems--The student will be able to:
29.01	Identify and differentiate among various types of cases, such as service cases and self-service cases.
29.02	Explain the operation of air-screen freezers, glass-door freezers, coffin cases and walk-in coolers.

29.03	Differentiate among medium-temperature, low-temperature and ultralow-temperature systems.
29.04	Explain various defrost methods.
29.05	Maintain, test and troubleshoot defrost components.
29.06	Identify and explain the components of various refrigerated storage systems.
29.07	Maintain, test and troubleshoot various refrigerated storage system components.
30.0	Diagnose, maintain and repair ice-making systems--The student will be able to:
30.01	Identify and explain various types and operations of ice-making systems.
30.02	Maintain, test, troubleshoot and repair various types of ice-making systems, following the manufacturers' recommendations.
30.03	Identify and explain the different types of water-treatment methods and systems.
30.04	Analyze water to identify water problems and the proper treatments.
31.0	Use refrigeration electrical-system skills in commercial applications--The student will be able to:
31.01	Apply electrical safety practices for commercial refrigeration systems.
31.02	Apply refrigeration electrical-system skills to commercial refrigeration systems:
	a. Interpret symbols of electrical components and diagrams.
	b. Interpret schematics and diagrams.
	c. Apply electrical theory and calculations.
	d. Explain the principles of designing electrical systems.

e. Test and troubleshoot single- and three-phase motors and variable speed electronic commutated motors (ECM).

31.03 Test the solid-state components used in commercial refrigeration systems.

31.04 Troubleshoot and diagnose the electrical circuits used in commercial refrigeration systems.

31.05 Test and troubleshoot the thermostatic controls used in commercial refrigeration systems.

32.0 Maintain and troubleshoot commercial refrigeration systems--The student will be able to:

32.01 Follow appropriate safety precautions for commercial refrigeration systems.

32.02 Identify and explain the operations of various types of commercial refrigeration systems and applications, such as single, multiplex and cascade systems.

32.03 Maintain and troubleshoot various types of commercial refrigeration systems.

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Special Notes

MyCareerShines is an interactive resource to assist students in identifying their ideal career and to enhance preparation for employment. Teachers are encouraged to integrate this resource into the program curriculum to meet the employability goals for each student. Access MyCareerShines by visiting: www.mycareershines.org.

Career and Technical Student Organization (CTSO)

SkillsUSA is the intercurricular career and technical student organization for providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

Cooperative Training – OJT

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

Basic Skills (if applicable)

In PSAV programs offered for 450 hours or more, in accordance with Rule 6A-10.040, F.A.C., the minimum basic skills grade levels required for postsecondary adult career and technical students to complete this program are: Mathematics 10, Language 9, and Reading 9. These grade level numbers correspond to a grade equivalent score obtained on a state designated basic skills examination.

Adult students with disabilities, as defined in Section 1004.02(7), Florida Statutes, may be exempted from meeting the Basic Skills requirements (Rule 6A-10.040). Students served in exceptional student education (except gifted) as defined in s. 1003.01(3)(a), F.S., may also be exempted from meeting the Basic Skills requirement. Each school district and Florida College must adopt a policy addressing procedures for exempting eligible students with disabilities from the Basic Skills requirement as permitted in Section 1004.91(3), F.S.

Students who possess a college degree at the Associate of Applied Science level or higher; who have completed or are exempt from the college entry-level examination; or who have passed a state, national, or industry licensure exam are exempt from meeting the Basic Skills requirement (Rule 6A-10.040, F.A.C.) Exemptions from state, national or industry licensure are limited to the certifications listed on the Basic Skills and Licensure Exemption List which may be accessed from the CTE Program Resources page.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary education. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

Note: postsecondary curriculum and regulated secondary programs cannot be modified.

Additional Resources

For additional information regarding articulation agreements, Bright Futures Scholarships, Fine Arts/Practical Arts Credit and Equivalent Mathematics and Equally Rigorous Science Courses please refer to:

<http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.shtml>